Table H.--Engineering Index Properties

(Absence of an entry indicates that the data were not estimated.)

Map symbol	 Depth	 USDA texture	Classif	ication	I	ments		rcentage sieve n			 Liquid	
and soil name			 Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200	limit 	ticity index
	 In	·	 		Pct	 Pct	 	\ 	' 	-	Pct	
GaB: Gallia		Sandy clay		 A-4 A-6	 0 0	 0 0	 100 85-100			 60-85 35-70	•	 3-10 13-20
	 67-72 	<pre> clay loam, loam Loamy sand, gravelly loamy sand, sandy loam</pre>		 A-1, A-2 	 0 1 	 0-5 	 75-100 	 65-100 	 45-70 	 15-35 	 	 NP
GaC: Gallia				 A-4 A-6 	 0 0	 0 0	 100 85-100			 60-85 35-70 		 3-10 13-20
	67-72 	•		A-1, A-2 	 0 	 0-5 	 75-100 	 65-100 	 45-70 	 15-35 	 	 NP
GlC: Gilpin		Channery loam,		 A-4, A-6 A-2, A-4, A-6 	 0 0 1		 80-95 50-95 					 4-15 4-15
	20-29	Channery loam, very channery silt loam, very shaly silty clay loam		A-1, A-2, A- 4, A-6 	0 0 1 1 1 1 1 1 1 1	0-35 	25-55 	20-50 	15-45 	15-40	20-40	4-15
	29-33	Unweathered bedrock	 	 			 	 	 			

Table H.--Engineering Index Properties--Continued

Map symbol	 Depth	 USDA texture	Classi	fication	Frag	ments		_	re passi umber	_	 Liquid	 Plas-
and soil name	 	 	Unified	AASHTO	>10 inches	3-10 inches		10	40	200	limit	ticity index
	 In			_	Pct	Pct		. 	. 	. 	 Pct	
Gilpin	9-20	Channery loam,	CL, CL-ML CL-ML, GC, SC, CL	A-4, A-6 A-2, A-4, A-	0 0 0	0-5 0-30 			70-85 35-85 		20-40 20-40 	4-15 4-15 4-15
	20-29 	clay loam Channery loam, very channery silt loam, very shaly	 GC, GC-GM 	A-1, A-2, A- 4, A-6 	 0 	 0-35 	 25-55 	 20-50 	 15-45 	 15-40 	 20-40 	 4-15
	 29-33	silty clay loam Unweathered bedrock	 				 					
GlD3: Gilpin	9-20 	Channery loam, shaly silt loam, silty	 CL, CL-ML CL, CL-ML, GC, SC	 A-4, A-6 A-2, A-4, A-	 0 0 	 0-5 0-30 	 80-95 50-95 	1	 70-85 35-85 	 65-80 30-80 	 20-40 20-40 	 4-15 4-15
	20-29	clay loam Channery loam, very channery silt loam, very shaly silty clay loam	 GC, GC-GM 	 A-1, A-2, A- 4, A-6 	 0 	 0-35 	 25-55 	 20-50 	 15-45 	 15-40 	 20-40 	 4-15
		Unweathered bedrock										
GlE: Gilpin	9-20 	Channery loam, shaly silt loam, silty	CL, CL-ML CL, CL-ML, GC, SC	 A-4, A-6 A-2, A-4, A-	 0 0 	 0-5 0-30 			 70-85 35-85 		 20-40 20-40 	 4-15 4-15
	20-29 	clay loam Channery loam, very channery silt loam, very shaly silty clay loam		A-1, A-2, A- 4, A-6 	 0 	 0-35 	 25-55 	 20-50 	 15-45 	 15-40 	 20-40 	 4-15
	29-33	Unweathered bedrock										

Table H.--Engineering Index Properties--Continued

Map symbol	 Depth	 USDA texture	Classif	ication	İ	ments		rcentage sieve n	e passinumber	_	 Liquid	
and soil name	 	 	 Unified	 AASHTO	>10 inches	3-10 inches		10	40	200	limit 	ticity index
	 In	<u> </u>	l 	<u> </u>	 Pct	 Pct				 	 Pct	
GlF:		1		1								
Gilpin	l l 0-9	Silt loam	 CL, CL-ML	 A-4, A-6	1 0	1 0-5	1 180-95	I 175-90	 70-85	I 165-80	120-40	 4-15
		Channery loam,		A-2, A-4, A-6	5 0 				35-85 			
		Channery loam, very channery silt loam, very shaly silty clay		A-1, A-2, A- 4, A-6 	0 0 1 1 1 1 1 1 1 1	0-35	25-55 	20-50 	15-45 	15-40 	20-40 	4-15
	 29-33 	loam Unweathered bedrock	 	 						 		
GuE:	 	! [
Gilpin		Channery loam,		A-4, A-6 A-2, A-4, A-6	0 0 				70-85 35-85 		20-40 20-40 	4-15 4-15
	 20-29 	clay loam Channery loam, very channery silt loam, very shaly silty clay		 A-1, A-2, A- 4, A-6 	0 0	 0-35 	 25-55 	 20-50 	 15-45 	 15-40 	 20-40 	 4-15
	 29-33 	loam Unweathered bedrock	 			 	 	 				
Upshur	 0-6	Silty clay loam	CL, ML	A-6, A-7	0	0	95-100	95-100	90-100	 80-95	 35 - 50	111-25
		Silty clay,	CH, CL, MH	A-7	0	0	95-100	95-100	90-100	85-100	45-70	20-40
		loam, silty	 CH, CL, MH, ML	A-6, A-7	0	 0 	80-100	 65-100 	 60-100 	 55-95 	35-55	111-25
		clay, clay Weathered bedrock	 							 		
Other soils	 	 	 				 	 	 	 		

Table H.--Engineering Index Properties--Continued

Map symbol	Depth	 USDA texture	Classif		i	ments		rcentage sieve n		_	 Liquid	
and soil name 		 	 Unified 		>10 inches 		 4	10 	40 	200 	limit 	ticity index
	In			1	Pct	Pct	<u> </u>	<u> </u>	<u> </u>	<u> </u>	Pct	<u> </u>
GuE3:		 	 	 	 	 	 	 	 	 	 	
Gilpin	9-20	Channery loam,		A-4, A-6 A-2, A-4, A-6 	0 0 			75-90 45-90 				
	20-29	Channery loam, very channery silt loam, very shaly silty clay loam		A-1, A-2, A- 4, A-6 	0	0-35 	25-55 	20-50 	15-45 	15-40 	20-40 	4-15
	29-33	Unweathered bedrock	 	 		 	 	 	 	 	 	
Upshur	6-41		1 - /	A-7 A-7	0			95-100				
	41-56	Silty clay	CH, CL, MH,	A-6, A-7	0	0	80-100 	65-100 	 60-100 	 55-95 	 35-55 	11-25
	56-60	Clay, Clay Weathered bedrock	 	 		 	 		 	 	 	
Other soils		 	 	 		 	 		 	 	 	
GuF: Gilpin	9-20	Channery loam,		A-4, A-6 A-2, A-4, A-6	0			 75-90 45-90 				4-15 4-15 4-15
 	20-29	Clay loam Channery loam, very channery silt loam, very shaly silty clay loam		A-1, A-2, A- 4, A-6 	0	0-35 	 25-55 	 20-50 	 15-45 	 15-40 	 20-40 	 4-15
	29-33	Unweathered bedrock	 	 		 				 	 	
Other soils		 	 	 	 	 	 	 	 	 	 	

Table H.--Engineering Index Properties--Continued

Man a mile 3	Davida		Classi	fication	Fragi	ments		_	e passi			
Map symbol and soil name	Depth	USDA texture	<u> </u>		>10	J 3-10		sieve n	umber		Liquid limit	
and soll name		! 	 Unified 	AASHTO		3-10 inches	4	10	40	200		index
	In		 		Pct	Pct	'	 	' 	' 	Pct	'
Upshur	6-41	Silty clay loam Silty clay, clay	CL, ML	A-6, A-7 A-7	0 0		95-100					
	41-56	Silty clay loam, silty	CH, CL, MH, ML	A-6, A-7	0 	0 	 80-100 	 65-100 	 60-100 	 55-95 	 35-55 	 11-25
	56-60	clay, clay Weathered bedrock	 		 	 	 	 	 	 	 	
GuF3:		 	 	I	 	 		 	 	 	 	
Gilpin	9-20	Channery loam,		A-4, A-6 A-2, A-4, A-6	0 0	•	80-95 50-95				20-40	4-15 4-15
		loam, silty clay loam	GC, SC 	 	 	 	 	 	 	 	 	
		Channery loam, very channery silt loam, very shaly silty clay	GC, GC-GM 	A-1, A-2, A- 4, A-6 	0 	0-35 	25-55 	20-50 	15-45 	15-40 	20-40 	4-15
		loam Unweathered bedrock	 	 	 	 	 	 	 	 	 	
Other soils												
Upshur	6-41		CL, ML CH, CL, MH	A-6, A-7 A-7	0 0	0			90-100 90-100		35-50 45-70	
	41-56	loam, silty	 CH, CL, MH, ML	A-6, A-7	 0 	 0 	 80-100 	 65-100 	 60-100 	 55 - 95 	 35-55 	 11 - 25
	56-60	clay, clay Weathered bedrock	 	 	 	 	 	 	 	 	 	
GvF: Gilpin		 Very stony silt loam	 CL, CL-ML, GC, SC	 A-2, A-4, A-6	0-2	10-40	 50-90	 45-85 	 35-75	 30-70	 20-40	 4-15
	9-20	Channery silt loam, channery loam, silty clay loam	CL, CL-ML,	A-2, A-4, A-5	 0 	0-30	50-95 	45-90 	35-85 	30-80 	20-40 	4-15

Table H.--Engineering Index Properties--Continued

Map symbol	Depth	 USDA texture	 	Classif	icati	on	Fragi	ments			e passi: umber	_	 Liquid	 Plas-
and soil name	1		U	Inified	l l A	ASHTO	>10 inches	3-10 inches		10	40		limit	
GvF: Gilpin	In 20-29	Channery loam, very channery silt loam, very shaly silty clay	 GC, 	GC-GM	 A-1, 4, 	A-2, A- A-5	Pct	 Pct 0-35 	 25-55 	 20-50 	 15-45 	 15-40 	 Pct 20-40 	 4-15
	29-33	loam Unweathered bedrock	 		 			 	 	 	 	 	 	
Other soils			 		 			 		 		 	 	
Upshur		 Very stony silty clay loam	 CL, 	ML	 A-6, 	A-7	0-2	 3-10 	 95-100 	 95-100 	 90-100 	 80-95 	 35-50 	 11 - 25
	6-41	•	CH,	CL, MH	A-7		0	0	95-100	95-100	90-100	 85 - 100	45 - 70	20-40
	41-56	Silty clay	CH, ML	CL, MH,	 A-6, 	A-7	0	 0 	80-100	 65-100 	 60-100 	 55-95 	 35-55 	 11-25
		Clay, Clay Weathered bedrock	 		 			 	 	 	 	 	 	
HaA:		 	 		 		 	 	1	 	 	 	 	
Hackers	15-49	Silt loam, clay loam, silty		CL-ML, ML CL-ML, ML			0 0 				75-100 90-100 		•	3-12 4-18
	49-60	clay loam Stratified fine sandy loam to silty clay loam		ML, SC,	 A-4, 	A-6	 0 	 0 	 85-100 	 60-100 	 55-95 	 40-85 	 20-40 	 1-15
Melvin		 	 		 			 	 	 	 	 	 	
HaB: Hackers	15-49	Silt loam, clay		CL-ML, ML			 0 0				 75-100 90-100			
	49-60	clay loam Stratified fine sandy loam to silty clay loam		ML, SC,	 A-4, 	A-6	 0 	 0 	 85-100 	 60-100 	 55-95 	 40-85 	 20-40 	 1-15

Table H.--Engineering Index Properties--Continued

			Classif	ication	n	Frag	ments		_	e passir	_		
Map symbol and soil name	Depth	USDA texture		1		_ >10	3-10		sieve n	umber		Liquid	
and soil name	 		 Unified	 AAS	SHTO		3-10 inches	4	10	40	200	limit 	ticity index
	 In		 	¦		_' Pct	Pct				 	Pct	!
Me:		1	l	1							l		1
Melvin		·	CL, CL-ML, ML CL, CL-ML	A-4 A-4, A	n - 6	0 0						25-35 25-40	
	0 00	silty clay loam	 		.1 0						 		3 20
MnB:	 	1	 	l I		1	1	 	 	 	 		l I
Monongahela	0-8	•	CL-ML, ML,	 A-4 		0	0-5	90-100	 85-100 	75-100 	 45-90 	20-35	1-10
		Silt loam, clay		A-4, A 	A-6	0 	0-15 	90-100 	80-100 	75-100 	70-90 	20-40 	5-15
	 		CL, ML, SC, SM 	A-4, A	A-6	0	0-10	80-100 	60-100 	55-95 	45-95 	20-40	3-15
	48-60	Silt loam, clay loam, gravelly sandy loam		A-4, A 	A-6	0	10-20	75-100 	60-90 	60-85 	40-85 	20-40	1-15
Tilsit	 0-10	Silt loam	 CL, CL-ML	 A-4, A	A-6	1 0	1 0	90-100	 85-100	 75-100	ı 60−100	 20 - 35	4-15
		Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A	A-6	0 						25-40 	
	22-41 		CL, CL-ML	A-4, A	A-6, A-	7 0	0	90-100	85-100 	75-100 	65-100	25-45	5-25
	41-46 	Silt loam, silty clay loam, silty	 CH, CL, CL-ML 	A-4, A	A-6, A-	7 0 	0-30	70-100 	65-85 	 60-85 	 55-80 	 25-60 	5-35
		clay Unweathered bedrock	 	 			 	 	 	 	 	 	
Other soils	 		 	 -						 	 		
Robertsville	 	 	 	 -				 	 	 	 		
MnC:	 		 	 		1		[[
Monongahela	0-8 	•	CL-ML, ML, SC-SM, SM	A-4 		0 	0-5 	90-100 	85-100 	75-100 	45-90 	20 - 35	1-10
		Silt loam, clay loam, gravelly	CL, CL-ML, ML	A-4, A	A-6	i 0	0-15	90-100 	80-100 	75-100 	70-90	20-40	5-15

Table H.--Engineering Index Properties--Continued

Map symbol	Depth	 USDA texture	Classif	icati	on		Fragi	ments		_	e passinumber	_	 Liquid	 Plas-
and soil name			' Unified	 A	ASHTO		 >10 inches	3-10 inches	i	1 10	40		limit	
		l	l	l			l	l	l	l	l	l	l	l
MnC:	In	 loam					Pct	Pct					Pct	
Monongahela		Silt loam,	 CL, ML, SC, SM 	A-4, 	A-6		 0 	0-10	80-100 	 60-100 	 55-95 	 45-95 	 20-40 	3-15
		Silt loam, clay loam, gravelly sandy loam		A-4, 	A-6		 0 	10-20 	75-100 	 60-90 	60-85 	40-85 	 20-40 	1-15
Tilsit	10-22	Silt loam, silty clay		A-4, A-4,			0 0 0	•	•		75-100 75-100	•	•	
	22-41	loam, loam Silt loam, silty clay loam, loam	 CL, CL-ML 	 A-4, 	A-6,	A-7	 0 	 0 	 90-100 	 85-100 	 75-100 	 65-100 	 25-45 	 5-25
	41-46		 CH, CL, CL-ML 	A-4, 	A-6,	A-7	 0 	0-30 	 70-100 	 65-85 	 60-85 	 55-80 	 25-60 	 5-35
		clay Unweathered bedrock	 	 			 	 	 	 	 	 	 	
Other soils	 		 	 			 	 	 	 	 	 	 	
MnC3:		 	! 	! 			! 	! 	! 	! 	! 	! 	! 	!
Monongahela	0-8		CL-ML, ML, SC-SM, SM	A-4 			0 	0-5 	 90-100 	 85-100 	75-100 	45-90 	20-35 	1-10
		Silt loam, clay loam, gravelly loam		A-4,	A-6		0	0-15 	90-100 	80-100 	75-100 	70-90 	20-40	5 - 15
	24-48	Silt loam,	CL, ML, SC, SM 	A-4, 	A-6		 0 	0-10	80-100 	 60-100 	 55-95 	 45-95 	 20-40 	3-15
	48-60	Silt loam, clay loam, gravelly sandy loam		A-4, 	A-6		 0 	10-20 	75-100 	 60-90 	60-85 	 40-85 	20-40 	 1-15
Tilsit	10-22			 A-4, A-4, 			 0 0	•	•		 75-100 75-100 		•	

Table H.--Engineering Index Properties--Continued

Map symbol	 Depth	 USDA texture	 	Classif	icati	on		Fragi	ments		_	e passi: umber	_	 Liquid	 Plas-
and soil name	- 	[[Unified	 A	ASHTO		>10 inches	3-10		I 10	40	1 200	limit	ticity index
	· 	i I													
MnC3: Tilsit		silty clay	CL,	CL-ML	A-4,	A-6,	A-7	Pct 0 	Pct 0 	90-100	 85-100 	 75-100	 65-100 	Pct 25-45 	 5-25
	41-46	silty clay loam, silty	 CH, 	CL, CL-MI	 A-4,	A-6,	A-7	 0 	 0-30 	 70-100 	 65-85 	 60-85 	 55-80 	 25-60 	 5-35
	 46-50 	clay Unweathered bedrock	 		 			 	 	 	 	 	 	 	
Other soils	 	 	 		 			 	 		 		 	 	
Mo: Moshannon	9-41 	Silt loam, silty clay		CL-ML, MI				 0 0	 0 0			 90-100 90-100			3-15 3-15
	41-60	loam Silt loam, clay loam, gravelly fine sandy loam			 A-4,	A-6		 0 	 0 	 80-100 	 70-100 	 55-100 	 35-80 	 25-40 	 3-15
Melvin	 	 	 					 	 						
Se:	 	1	l I		1			 	 	1	 	 	 	 	
Senecaville	10-41	Silty clay loam, silt		CL-ML, ML				 0 0		•		75-100 85-100			3-12
	 41-60 	loam Silt loam, fine sandy loam, loam	 CL, SM		A-4,	A-6		 0 	 0-5 	 90-100 	 70-100 	 65-95 	 45-90 	20-40	 1-15
Melvin	 	 	 		 			 	 		 	 	 	 	
Sn:	 	 			 			 	 	 	 	 	 	 	
Sensabaugh	7-22 	Gravelly loam, gravelly clay loam, gravelly silty clay	CL, GC		A-4 A-4,	A-6		0 0 	•			65-85 45-75 			3-9 5-14
	 22-26	loam Gravelly loam,	∣ ∣GC,	GC-GM,	 A-4,	A-6		l I 0	 5-25	 70-90	 55 - 75	 45-65	 35-55	 22-36	 6-15

Table H.--Engineering Index Properties--Continued

Map symbol	 Depth	 USDA texture	Classi:	fication	i	ments			e passi umber		 Liquid	
and soil name	 	 	 Unified 	 AASHTO	>10 inches	3-10 inches	 4	10	40	200	limit 	ticity index
Sn: Sensabaugh		gravelly clay loam, gravelly silty clay loam Gravelly loam, gravelly clay loam, gravelly loam, gravelly	 GC, GC-GM, SC, SC-SM	 A-2, A-4, A-6	Pct	Pct	 55-90	 25-75	 25-65	 20-55	Pct	 6-15
Melvin	 	fine sandy loam 	 		 	 	 	 	 	 	 	
Ua: Udorthents	 	 	 		 	 			 			
UbB: Upshur	6-41	 Silty clay loam Silty clay, clay	 CL, ML CH, CL, MH	 A-6, A-7 A-7	 0 0				 90-100 90-100			
	41-56 	Silty clay	 CH, CL, MH, ML 	A-6, A-7 	0 1 	0 	 80-100 	 65-100 	 60-100 	 55-95 	35-55 	 11-25
UbC: Upshur	 0-6	 Silty clay loam	 - CI. MI.	 A-6, A-7	 0	 0	 95-100	 95-100	 90-100	 80-95	 35-50	 11-25
opsnar	6-41		CH, CL, MH	A-7	0				90-100			
	41-56	Silty clay	CH, CL, MH, ML	A-6, A-7	0 	0 	80-100 	65-100 	60-100 	55-95 	35-55 	11-25
	56-60 	Weathered bedrock 	 	 	 	 	 	 	 	 	 	
UbD: Upshur	6-41	 Silty clay loam Silty clay, clay	 CL, ML CH, CL, MH 	 A-6, A-7 A-7	 0 0				 90-100 90-100			
	41-56	Silty clay	CL, MH, ML,	A-6, A-7	 0 	 0 	80-100 	65-100 	60-100 	55-95 	35-55 	11-25
	56-60	Weathered bedrock	 		 	 	 	 	 	 		

Table H.--Engineering Index Properties--Continued

Map symbol	 Depth	 USDA texture	Classi	fication	ii	ments		rcentag	e passinumber	_	 Liquid	
and soil name	 	 	Unified	 AASHTO	>10 inches	3-10 inches	 4	10	40	200	limit 	ticity index
UcC3:	In		İ		Pct	Pct		'			Pct	
Upshur			CL, MH, ML CH, CL, MH	 A-7 A-7	 0 0		95-100 95-100					
	 41-56 	loam, silty	 CH, CL, MH, ML	 A-6, A-7	 0 	 0 	 80-100 	 65-100 	 60-100 	 55-95 	 35-55 	 11-25
	 56-60 	clay, clay Weathered bedrock	 			 	 	 				
UcD3:	 		1		 	 		 	 	 	 	l I
Upshur			CL, MH, ML CH, CL, MH	A-7 A-7	0 0	0 0	95-100 95-100		90-100 90-100			15-30 20-40
	41-56	Silty clay	CH, CL, MH,	A-6, A-7	0	0 	80-100	65-100 	60-100 	55-95 	35-55 	 11-25
	56-60 	Weathered bedrock	 			 		 				
UgB:	 		1			 		 	! 	! 		
Upshur		Silty clay loam Silty clay, clay	CL, ML CH, CL, MH	A-6, A-7 A-7	0 0		95-100 95-100				•	11-25 20-40
		Silty clay loam, silty	CH, CL, MH, ML	A-6, A-7	0	0	80-100	65-100 	 60-100 	55 - 95	35-55	11-25
		clay, clay Weathered bedrock	 			 	 	 				
Gilpin		Channery loam, shaly silt loam, silty	CL, CL-ML CL, CL-ML, GC, SC	A-4, A-6 A-2, A-4, A-6	0 0 1		 80-95 50-95 			 65-80 30-80 		4-15 4-15 4-15
	 20-29 	clay loam Channery loam, very channery silt loam, very shaly silty clay		A-1, A-2, A- 4, A-6	 0 	 0-35 	 25-55 	 20-50 	 15-45 	 15-40 	 20-40 	 4-15
	 29-33 	loam Unweathered bedrock	 			 	 	 	 	 		

Table H.--Engineering Index Properties--Continued

Map symbol	 Depth	 USDA texture	Classi	fication	İ	ments			e passin umber	_	 Liquid	 Plas-
and soil name	 	 	 Unified	AASHTO	>10 inches	3-10 inches		10	40	200	limit 	ticity index
	 In	.		_	 Pct	 Pct				 	Pct	
UqC:	 		 	1		 	 	 	 	 	 	
Upshur		Silty clay loam Silty clay, clay	CL, ML CH, CL, MH	A-6, A-7 A-7	0 0		95-100 95-100				•	
	41-56 	_	CH, CL, MH, ML	A-6, A-7	0 	0 	80-100 	65-100 	60-100 	55-95 	35-55 	 11-25
	56-60 	Weathered bedrock	 		 	' 	' 	' 	 	 	 	
Gilpin	0-9	Silt loam	CL, CL-ML	A-4, A-6	0	0-5	 80-95	 75-90	70-85	 65-80	20-40	4-15
	9-20 	Channery loam, shaly silt loam, silty clay loam	CL, CL-ML, GC, SC 	A-2, A-4, A-6	0 	0-30	50-95 	45-90 	35-85 	30-80 	20-40 	4-15
	 20-29 	Channery loam, very channery silt loam, very shaly silty clay	 GC, GC-GM 	A-1, A-2, A- 4, A-6	0 	0-35 	25-55 	 20-50 	 15-45 	15-40 	20-40 	4-15
	 29-33 	loam Unweathered bedrock	 		 	 		 		 		
Other soils	 	 	 		 	 		 	 	 	 	
UgC3: Uphsur	6-41		CL, MH, ML	 A-7 A-7	 0 0		 95-100 95-100				•	
	41-56	Silty clay loam, silty	CH, CL, MH, ML	A-6, A-7	0	0	80-100	 65-100 	60-100 	 55-95 	 35-55 	 11-25
	 56-60 	clay, clay Weathered bedrock	 	 	 	 	 	 	 	 	 	
Gilpin		Channery loam,	CL, CL-ML CL, CL-ML, GC, SC	A-4, A-6 A-2, A-4, A-6	0 0 1		 80-95 50-95 					4-15 4-15 4-15
	20-29	Channery loam, very channery		A-1, A-2, A- 4, A-6	0 	0-35	25-55 	20-50 	 15-45 	 15-40 	20-40	4-15

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	 Depth 	USDA texture	Classification		Fragments		Percentage passing sieve number					 Plas-
			 Unified 	AASHTO	>10 inches	3-10 inches	l 4 	10	40	200	limit 	ticity index
UgC3: Gilpin	In 20-29	silt loam, very shaly silty clay		 	Pct	Pct	 	 	 	 	Pct	
	29-33	Toam Unweathered bedrock				 	 	 	 	 		
Other soils						 	 	 		 		
UgD: Upshur	6-41	 Silty clay loam Silty clay, clay		 A-6, A-7 A-7	0 0	•	•		 90-100 90-100	•	 35-50 45-70	
	41-56	Silty clay loam, silty	CH, CL, MH,	A-6, A-7	0	 0 	 80-100 	 65-100 	60-100 	 55-95 	35-55 	 11-25
		clay, clay Weathered bedrock 	 	 	 	 	 	 	 	 	 	
Gilpin	9-20	Channery loam,		 A-4, A-6 A-4, A-6, A-2	 0 0 				 70-85 35-85 			
	20-29	Clay loam Channery loam, very channery silt loam, very shaly silty clay loam	GC-GM, GC	A-1, A-2, A- 4, A-6 	0 	 0-35 	 25-55 	 20-50 	 15-45 	 15-40 	 20-40 	4-15
		Unweathered bedrock			 	 	 	 	 	 	 	
UgD3: Upshur	6-41		, ,	 A-7 A-7	 0 0				 90-100 90-100			
	41-56	Silty clay	CH, CL, MH, ML	A-6, A-7	0 	 0 	 80-100 	 65-100 	 60-100 	 55-95 	35-55	 11-25
		Weathered bedrock	 	; 	 	 	 	 	 	 	 	

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	 Depth 	 USDA texture 	Classit	Fragments		Percentage passing sieve number				 Liquid	 Plas-	
			 Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200	limit t	
Gilpin	9-20 	Channery loam,	 CL, CL-ML CL, CL-ML, GC, SC	A-4, A-6 A-2, A-4, A-6	 Pct 0 0 1				 70-85 35-85 		 Pct 20-40 20-40 	
	20-29 	clay loam Channery loam, very channery silt loam, very shaly silty clay loam	 GC, GC-GM 	 A-1, A-2, A- 4, A-6 	 0 	 0-35 	 25-55 	 20-50 	 15-45 	 15-40 	 20-40 	 4-15
	 29-33 	Unweathered bedrock	 		 	 		 		 	 	
VaC: Vandalia	6-50 	Silty clay loam, channery silty clay,	 ML, CL ML, CL, CH 	 A-4, A-6, A-7 A-6, A-7 	 0 0 				 70-95 65-90 		 25-45 35-55 	 5-20 15-30
	50-72	clay Silty clay, clay, channery silty clay loam	 ML, CL, MH, CH 	A-6, A-7 	 0 	 0-5 	 70-100 	 65-100 	 60-100 	 55-100 	 30-55 	 10-30
VaD:		1		1			1	1		l		
Vandalia	6-50 		CH, CL, ML	A-4, A-6, A-7 A-6, A-7	0 0 		•		70-95 65-90 	•		
	50-72	· -	ML, MH, CH, CL 	A-6, A-7 	 0 	0-5 	70-100 	 65-100 	60-100 	 55-100 	30-55 	10-30
VdC3: Vandalia	6-50 	loam, channery silty clay,	CL, ML, CH	 A-4, A-6, A-7 A-6, A-7	 0 0		•		 70-95 65-90 	•		
	 	clay Silty clay, clay, channery silty clay loam	 CL, ML, MH, CH 	 A-6, A-7 	 0 	 0-5 	 70-100 	 65-100 	 60-100 	 55-100 	 30-55 	 10-30

Table H.--Engineering Index Properties--Continued

			Classification		Fragments		l Pei	centage				
Map symbol	Depth	USDA texture					5	sieve n	Liquid Plas-			
and soil name	1				>10	3-10					limit	ticity
		!	Unified	AASHTO	linches	linches	4	10	40	200	1	index
	In				Pct	Pct	 		! !	! !	Pct	¦
VdD3:							 		 	 	 	1
Vandalia	0-6	Silty clay loam	CL, ML	A-4, A-6, A-7	0	0-5	80-100	75-100	70-95	50-90	25-45	5-20
	l 6-50	Silty clay	CH, CL, ML	A-6, A-7	0	0-5	75-100	70-95	65-90	60-85	35-55	15-30
		loam, channery										1
	1	silty clay,										
	1	clay								1		
	50-72	Silty clay,	CH, CL, MH,	A-6, A-7	0	0-5	70-100	65-100	60-100	55-100	30-55	10-30
	1	clay, channery	ML									
	1	silty clay loam										
ZZ900:	1											
Water												
		1										